

HVACR Maintenance and Contracting

Retail, Food Service, and Grocery

HVACR Maintenance Challenges

As Better Buildings partners in the Retail, Food Service, and Grocery (RFSG) sector continue to pursue energy efficiency improvements at their buildings, many of them face challenges with procuring contractual services from qualified technicians to perform preventative maintenance, tuning, and repairs of HVACR equipment.

HVACR Maintenance Contracting Best Practices

The benefits of effective maintenance include improved performance, reduced operations cost, increased equipment service life, and reduced risk of system failure. The resources below can help RFSG partners implement best practices for contractual HVACR equipment maintenance.

Practice	 Description and Resources How many buildings and sites need HVACR maintenance service? What is the required contractor response time? How long before an equipment failure disrupts business? What services and contract type do you require? 			
Identify organizational needs				
	 HVACR technicians can be contracted directly to perform scheduled maintenance and repairs. Energy Service Companies (ESCOs) can be contracted to perform bundled energy management and auditing, potentially including provisions for HVACR maintenance. 			
	 Inventory building mechanical systems including HVAC, refrigeration, controls, and Energy Management Information Systems (EMIS) tied to HVACR equipment. Record relevant information about each unit, including the manufacturer, model, year, and date last serviced. 			
	 Review building management plans or construction operations and maintenance documents for equipment manufacturer's recommended maintenance procedures including tasks and frequency. Identify local jurisdictional requirements and industry specific regulations. 			
Identify technical needs	 Explore the maintenance recommendations for relevant equipment types. Product manuals and manufacturer specifications generally provide the most accurate guidance. HVAC Refrigeration Compressed air systems Thermostat calibration Other specialized systems (such as kitchen and restroom water equipment) 			
	Determine which maintenance tasks can be done in-house and which require a professional technician.			



	 Assess in-house maintenance staff's capacity (e.g., knowledge, skills, experience, tools and resources) to conduct desired level of maintenance. 				
Find certified professionals	 Locate a local contractor certified by North American Technical Excellence (NATE); specialty certifications include air conditioning and commercial refrigeration. Locate contractors recognized by Air Conditioning Contractors of America (ACCA). Filter by equipment expertise and market. Ask potential contractors if they are certified as Professional Technicians or Master Specialists by HVAC Excellence. 				
Requests for proposals	 Read through example RFPs. Review licensing requirements: EPA 608 and state licenses. Questions to ask contractors: What training and experience do you have with my equipment? What predictive and evaluation services do you offer? Are you capable of ultrasonic leak testing or advanced vibration evaluation? How quickly can you obtain replacement parts and send a technician to complete a repair? ACCA provides a <u>list of questions</u> contractors should be asking you. 				
	Use the framework below (or sin contractors:Proposal Evaluation Criteria	nilar) to guide i Score [1-10]	nternal reviews of Assigned Weight [1-5]	Proposals and potential Weighted Score (Score x Weight)	
	Cost proposal				
Evaluate	Compliance with scope of work				
proposals	Ability to deliver additional unspecified value				
	Qualifications, experience, and certification				
	Quality of site visit Overall Quality of the Proposal				
	Total Proposal Score				
	► Some HVACR manufacturers offer inspection, maintenance, and remote monit				
Maintenance plans for new equipment	services as part of the warranty available.	•			

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